



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICANT: Khare et al

SERIAL NO.: 09/931,822

CONFIRMATION NO.: 3293

FILING DATE: August 16, 2001

TITLE: RUN-TIME PROPERTY-BASED LINKING OF SOFTWARE  
MODULES

PATENT NO.: 6,865,742 B1

ISSUED: March 8, 2005

EXAMINER: St. John Courtenay, III

ART UNIT: 2126

Certificate  
AUG 10 2005  
of Correction

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Date: August 2, 2005

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Commissioner for Patents,  
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**TRANSMITTAL FOR CERTIFICATE OF CORRECTION**

We enclose, pursuant to the provisions of 37 C.F.R. §1.322, a Certificate of  
Correction for United States Patent No. 6,865,742. Please make the Certificate of  
Correction and the statements herein of record.

The corrections made to the above-identified United States Patent in the Certificate  
of Correction filed herewith are to correct mistakes which are of a minor character  
according to 35 U.S.C. §254 and 37 C.F.R. §1.322. The proposed corrections do not

constitute such changes in the patent as would constitute new matter or would require re-examination.

37 C.F.R. §1.322 Corrections

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No Fee Due

It is believed that no fee is required for filing the above-noted document. In the event any fee is required for filing of this Certificate of Correction, the Assistant Commissioner is hereby authorized to charge the fee to our Deposit Account No. 50-1698.

Respectfully submitted,  
THELEN REID & PRIEST LLP



Dated: August 2, 2005

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Reg. No. 31,562

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## UNITED STATES PATENT AND TRADEMARK OFFICE

### CERTIFICATE OF CORRECTION

PATENT NO : 6,865,742 **B1**

DATED : March 18, 2005

INVENTOR(S) : Khare et al.

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

- 1) In section 57 of the cover page after and loading at least one, insert --executable--.
- 2) In column 5 line 16, replace "Modern" with --Modem--.

MAILING ADDRESS OF SENDER: Thelen Reid & Priest  
PO Box 640640  
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PATENT NO. 6,865,742 **B1**

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PATENT NO : 6,865,742 **B1**

DATED : March 18, 2005

INVENTOR(S) : Khare et al.


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Serial/Patent No.: \_\_\_\_\_ Filing/Issue Date: 8/16/2001

Applicant: Khare, et al

Title: RUN-TIME PROPERTY-BASED LINKING OF SOFTWARE MODULES

TRP Docket No.: CISCO-2848 Atty/Secty Initials: JPS/dcl

Date Mailed: 8/16/01 Docket Due Date: \_\_\_\_\_

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Patent Code: 101/102/103 & 581  
Client/Matter # 32590-153

jc857 U.S. PTO  
09/931822  
08/16/01

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08/16/01

external device such as a display screen 210 via display adapter 212, serial ports 214 and 216, a keyboard 218, a fixed disk drive 220, a floppy disk drive 222 operative to receive a floppy disk 224, and a CD-ROM player 226 operative to receive a CD-ROM 228. Many other devices can be connected, such as a pointing device 230 (e.g., a mouse) connected via serial port 214 and a modem 232 connected via serial port 216. Modem 232 may provide a direct connection to a remote server via a telephone link or to the Internet via a POP (point of presence). Alternatively, a network interface adapter 234 may be used to interface to a local or wide area network using any network interface system known to those skilled in the art (e.g., Ethernet, xDSL, AppleTalk™).

[0032] Many other devices or subsystems (not shown) may be connected in a similar manner. Also, it is not necessary for all of the devices shown in FIG. 2 to be present to practice the present invention, as discussed below. Furthermore, the devices and subsystems may be interconnected in different ways from that shown in FIG. 2. The operation of a computer system such as that shown in FIG. 2 is readily known in the art and is not discussed in detail in this application, so as not to overcomplicate the present discussion. Code to implement the present invention may be operably disposed in system memory 206 or stored on storage media such as fixed disk 220, floppy disk 224 or CD-ROM 228.

[0033] According to embodiments of the present invention, properties are associated with software modules and a software module requests dynamic association with other

ABSTRACT OF THE DISCLOSURE

A method for dynamic linking of software modules includes detecting an event during the execution of a computer program that resides in a first memory, ascertaining whether there is at least one required property associated with the event if the event is detected, determining a property identifier for the at least one required property and loading at least one executable code module from a second memory into the first memory based upon a property identifier configured with the executable code module. According to one aspect, the loading includes loading the at least one executable code module into the first memory if it is not in the first memory. According to another aspect, the at least one executable code module includes at least one dynamic link library (DLL). According to another aspect, the event includes the addition of a hardware device and the required property includes a hardware device PROM identifier.

Correction/